

INFORMAL SEQUENCE LISTING

INFORMATION FOR SEQ ID NO:1:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA
<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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INFORMATION FOR SEQ ID NO:2:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA
<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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INFORMATION FOR SEQ ID NO:3:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA
<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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INFORMATION FOR SEQ ID NO:4:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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INFORMATION FOR SEQ ID NO:5:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:5:

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INFORMATION FOR SEQ ID NO:6:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:6:

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INFORMATION FOR SEQ ID NO:7:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:7:

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SF 1271806 v1

INFORMATION FOR SEQ ID NO:8:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:8:

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INFORMATION FOR SEQ ID NO:9:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:9:

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INFORMATION FOR SEQ ID NO:10:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:10:

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INFORMATION FOR SEQ ID NO:11:

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<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:11:

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INFORMATION FOR SEQ ID NO:12:

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<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:12:

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INFORMATION FOR SEQ ID NO:13:

(a) SEQUENCE CHARACTERISTICS:

<212> DNA

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:13

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INFORMATION FOR SEQ ID NO:14:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:14:

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Ala Val Lys Glu Ser Asp Ala Gly Lys Tyr Tyr Cys Arg Ala Asp Asn
      20                      25                      30

Gly His Val Pro Ile Gln Ser Lys Val Val Asn Ile Pro Val Arg Ile
      35                      40                      45

Pro Val Ser Arg Pro Val Leu Thr Leu Arg Ser Pro Gly Ala Gln Ala
      50                      55                      60

Ala Val Gly Asp Leu Leu Glu Leu His Cys Glu Ala Leu Arg Gly Ser
      65                      70                      75                      80

Pro Pro Ile Leu Tyr Gln Phe Tyr His Glu Asp Val Thr Leu Gly Asn
      85                      90                      95

Ser Ser Ala Pro Ser Gly Gly Gly Ala Ser Phe Asn Leu Ser Leu Thr
      100                     105                     110

Ala Glu His Ser Gly Asn Tyr Ser Cys Glu Ala Asn Asn Gly Leu Gly
      115                     120                     125

Ala Gln Cys Ser Glu Ala Val Pro Val Ser Ile Ser Gly Pro Asp Gly
      130                     135                     140

Tyr Arg Arg Asp Leu Met Thr Ala Gly Val Leu Trp Gly Leu Phe Gly
      145                     150                     155                     160

Val Leu Gly Phe Thr Gly Val Ala Leu Leu Leu Tyr Ala Leu Phe His
      165                     170                     175

Lys Ile Ser Gly Glu Ser Ser Ala Thr Asn Glu Pro Arg Gly Ala Ser
      180                     185                     190

Arg Pro Asn Pro Gln Glu Phe Thr Tyr Ser Ser Pro Thr Pro Asp Met
      195                     200                     205

Glu Glu Leu Gln Pro Val Tyr Val Asn Val Gly Ser Val Asp Val Asp
      210                     215                     220

Val Val Tyr Ser Gln Val Trp Ser Met Gln Gln Pro Glu Ser Ser Ala
      225                     230                     235                     240

Asn Ile Arg Thr Leu Leu Glu Asn Lys Asp Ser Gln Val Ile Tyr Ser
      245                     250                     255

Ser Val Lys Lys Ser

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INFORMATION FOR SEQ ID NO:15:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:15:

Met Trp Glu Trp Lys Ile Cys Asn Ser His Gly Ala Arg Pro Phe Ala
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Glu Pro Ala Gly Trp Glu Phe Val Asn Leu Leu Arg His His Lys Ser
20 25 30

Phe Leu Ile Ala Pro Leu Cys Leu Ser Val Pro Val Ser Arg Pro Val
35 40 45

Leu Thr Leu Arg Ser Pro Gly Ala Gln Ala Ala Val Gly Asp Leu Leu
50 55 60

Glu Leu His Cys Glu Ala Leu Arg Gly Ser Pro Pro Ile Leu Tyr Gln
65 70 75 80

Phe Tyr His Glu Asp Val Thr Leu Gly Asn Ser Ser Ala Pro Ser Gly
85 90 95

Gly Gly Ala Ser Phe Asn Leu Ser Leu Thr Ala Glu His Ser Gly Asn
100 105 110

Tyr Ser Cys Glu Ala Asn Asn Gly Leu Gly Ala Gln Cys Ser Glu Ala
115 120 125

Val Pro Val Ser Ile Ser Gly Pro Asp Gly Tyr Arg Arg Asp Leu Met
130 135 140

Thr Ala Gly Val Leu Trp Gly Leu Phe Gly Val Leu Gly Phe Thr Gly
145 150 155 160

Val Ala Leu Leu Leu Tyr Ala Leu Phe His Lys Ile Ser Gly Glu Ser
165 170 175

Ser Ala Thr Asn Glu Pro Arg Gly Ala Ser Arg Pro Asn Pro Gln Glu
180 185 190

Phe Thr Tyr Ser Ser Pro Thr Pro Asp Met Glu Glu Leu Gln Pro Val
195 200 205

Tyr Val Asn Val Gly Ser Val Asp Val Asp Val Val Tyr Ser Gln Val
210 215 220

Trp Ser Met Gln Gln Pro Glu Ser Ser Ala Asn Ile Arg Thr Leu Leu
225 230 235 240

Glu Asn Lys Asp Ser Gln Val Ile Tyr Ser Ser Val Lys Lys Ser
245 250 255

INFORMATION FOR SEQ ID NO:16:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:16:

Met Gly Lys Lys Thr Gln Arg Ser Leu Ser Ala Glu Leu Glu Ile Pro
5 10 15

Ala Val Lys Glu Ser Asp Ala Gly Lys Tyr Tyr Cys Arg Ala Asp Gly
20 25 30

Cys Gly

INFORMATION FOR SEQ ID NO:17:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:17:

Asn Gly His Val Pro Ile Gln Ser Lys Val Val Asn Ile Pro Val Arg
5 10 15

Ile Pro Val Ser Arg Pro Val Leu Thr Leu Arg Ser Pro Gly Ala Gly
20 25 30

Cys Gly

INFORMATION FOR SEQ ID NO:18:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:18:

Gln Ala Ala Val Gly Asp Leu Leu Glu Leu His Cys Glu Ala Leu Arg
5 10 15

Gly Ser Pro Pro Ile Leu Tyr Gln Phe Tyr His Glu Asp Val Thr Gly
20 25 30

Cys Gly

INFORMATION FOR SEQ ID NO:19:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:19:

Leu Gly Asn Ser Ser Ala Pro Ser Gly Gly Gly Ala Ser Phe Asn Leu
5 10 15

Ser Leu Thr Ala Glu His Ser Gly Asn Tyr Ser Cys Glu Ala Asn Gly
 20 25 30

Cys Gly

INFORMATION FOR SEQ ID NO:20:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:20:

Asn Gly Leu Gly Ala Gln Cys Ser Glu Ala Val Pro Val Ser Ile Ser
 5 10 15

Gly Pro Asp Gly Tyr Arg Arg Asp Leu Met Thr Ala Gly Val Leu Trp
 20 25 30 -

Gly Cys Gly
 35

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1004036.1050
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INFORMATION FOR SEQ ID NO:21:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:21:

GVLWGLFGV

INFORMATION FOR SEQ ID NO:22:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:22:

LLYALFHKI

INFORMATION FOR SEQ ID NO:23:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:23:

GLFGVLGFT

INFORMATION FOR SEQ ID NO:24:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:24:

VVYSQVWSM

INFORMATION FOR SEQ ID NO:25:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:25:

VLGFTGVAL

INFORMATION FOR SEQ ID NO:26:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:26:

VLWGLFGVL

INFORMATION FOR SEQ ID NO:27:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:27:

YVNVGSVDV

INFORMATION FOR SEQ ID NO:28:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:28:

MTAGVLWGL

INFORMATION FOR SEQ ID NO:29:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:29:

VLTLRSPGA

INFORMATION FOR SEQ ID NO:30:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:30:

ELQPVYVNV

INFORMATION FOR SEQ ID NO:31:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:31:

LL[~]ENKDSOV

INFORMATION FOR SEQ ID NO:32:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:32:

AQCSEAVP[~]V

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(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:33:

NVGSVDVDV

INFORMATION FOR SEQ ID NO:34:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:34:

DLLELHCEA

INFORMATION FOR SEQ ID NO:35:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:35:

GLGAQCSEA

INFORMATION FOR SEQ ID NO:36:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:36:

QQPESSANI

INFORMATION FOR SEQ ID NO:37:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:37:

GVALLLYAL

INFORMATION FOR SEQ ID NO:38:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:38:

FGVLGFTGV

INFORMATION FOR SEQ ID NO:39:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:39:

SMOOPESSA

INFORMATION FOR SEQ ID NO:40:

- (a) SEQUENCE CHARACTERISTICS:
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KISGÈSSAT

INFORMATION FOR SEQ ID NO:41:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:41:

VLWGLFGVL

INFORMATION FOR SEQ ID NO:42:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:42:

GVLWGLFGV

INFORMATION FOR SEQ ID NO:43:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:43:

GVALLLYAL

INFORMATION FOR SEQ ID NO:44:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:44:

VVYSQVWSM

INFORMATION FOR SEQ ID NO:45:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:45:

YVNVGSVDV

INFORMATION FOR SEQ ID NO:46:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:46:

VLGFTGVAL

INFORMATION FOR SEQ ID NO:47:

- (a) SEQUENCE CHARACTERISTICS:
 <212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:47:

LLYALFHKI

INFORMATION FOR SEQ ID NO:48:

- (a) SEQUENCE CHARACTERISTICS:
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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:48:

RIPVSRPVL

INFORMATION FOR SEQ ID NO:49:

- (a) SEQUENCE CHARACTERISTICS:
 <212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:49:

GLFGVLGFT

INFORMATION FOR SEQ ID NO:50:

- (a) SEQUENCE CHARACTERISTICS:
 <212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:50:

KVVNIPVRI

INFORMATION FOR SEQ ID NO:51:

- (a) SEQUENCE CHARACTERISTICS:
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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:51:

GVLGFTGVA

INFORMATION FOR SEQ ID NO:52:

- (a) SEQUENCE CHARACTERISTICS:
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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:52:

NVGSVDVDV

INFORMATION FOR SEQ ID NO:53:

- (a) SEQUENCE CHARACTERISTICS:
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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:53:

HVPIQSKVV

INFORMATION FOR SEQ ID NO:54:

- (a) SEQUENCE CHARACTERISTICS:
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YQFYHEDVT

INFORMATION FOR SEQ ID NO:55:

- (a) SEQUENCE CHARACTERISTICS:
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LGFTGVALL

INFORMATION FOR SEQ ID NO:56:

- (a) SEQUENCE CHARACTERISTICS:
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YSCEANNGL

INFORMATION FOR SEQ ID NO:57:

- (a) SEQUENCE CHARACTERISTICS:
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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:57:

KISGESSAT

INFORMATION FOR SEQ ID NO:58:

- (a) SEQUENCE CHARACTERISTICS:
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MTAGVLWGL

INFORMATION FOR SEQ ID NO:59:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:59:

PVSRPVLTL

INFORMATION FOR SEQ ID NO:60:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:60:

AQAAVGDLL

INFORMATION FOR SEQ ID NO:61:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:61:

GFTGVALLL

INFORMATION FOR SEQ ID NO:62:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:62:

TYSSPTPDM

INFORMATION FOR SEQ ID NO:63:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:63:

QFYHEDVTL

INFORMATION FOR SEQ ID NO:64:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:64:

RIPVSRPVL

INFORMATION FOR SEQ ID NO:65:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:65:

LYQFYHEDV

INFORMATION FOR SEQ ID NO:66:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:66:

AAVGDLEEL

INFORMATION FOR SEQ ID NO:67:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:67:

LLELHCEAL

INFORMATION FOR SEQ ID NO:68:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:68:

GAQAAVGDL

INFORMATION FOR SEQ ID NO:69:

(a) SEQUENCE CHARACTERISTICS:
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(b) SEQUENCE DESCRIPTION: SEQ ID NO:69:

YSCĖANNGL

INFORMATION FOR SEQ ID NO:70:

(a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE

(b) SEQUENCE DESCRIPTION: SEQ ID NO:70:

VLWGLFGVL

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INFORMATION FOR SEQ ID NO:71:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
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MTAGVLWGL

INFORMATION FOR SEQ ID NO:72:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
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AQAAVGDLL

INFORMATION FOR SEQ ID NO:73:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:73:

SŠANIRTLL

INFORMATION FOR SEQ ID NO:74:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:74:

TQRSLSAEL

INFORMATION FOR SEQ ID NO:75:

- (a) SEQUENCE CHARACTERISTICS:
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SPTPDMEEL

INFORMATION FOR SEQ ID NO:76:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
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GSPPLYQF

INFORMATION FOR SEQ ID NO:77:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
- (b) SEQUENCE DESCRIPTION: SEQ ID NO:77:

LYALFHKIS

INFORMATION FOR SEQ ID NO:78:

- (a) SEQUENCE CHARACTERISTICS:
<212> PEPTIDE
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GYRRDLMTA

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DVTLGNSSA

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TOGETHER WE CAN SAVE THE WORLD

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31

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SQVIYSSVK

INFORMATION FOR SEQ ID NO:118:

- (a) SEQUENCE CHARACTERISTICS:
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QPESSANIR

32

10040962 110501

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	9	16
Income	15.5	5.5	10	25
Health status	1.5	0.5	1	2
Life satisfaction	4.5	1.5	1	7
Work satisfaction	3.5	1.5	1	7
Family satisfaction	4.5	1.5	1	7
Community satisfaction	4.5	1.5	1	7
Overall satisfaction	4.5	1.5	1	7
Life expectancy	75.5	5.5	60	90
Health expectancy	65.5	5.5	50	80
Quality of life	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
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Quality of life (score)	5.5	1.5	1	9
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Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
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Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
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Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
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Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
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Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5	1	9
Life expectancy (years)	75.5	5.5	60	90
Health expectancy (years)	65.5	5.5	50	80
Quality of life (score)	5.5	1.5</		

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INFORMATION FOR SEQ ID NO:126:

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40

(b) SEQUENCE DESCRIPTION: SEQ ID NO:161:

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(b) SEQUENCE DESCRIPTION: SEQ ID NO:162:

(b) SEQUENCE DESCRIPTION: SEQ ID NO:163:

(b) SEQUENCE DESCRIPTION: SEQ ID NO:164:

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NVGSVDVDV

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46

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INFORMATION FOR SEQ ID NO:197:

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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:197:

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INFORMATION FOR SEQ ID NO:210:

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INFORMATION FOR SEQ ID NO:241:

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INFORMATION FOR SEQ ID NO:243:

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QEFTYSSPT

INFORMATION FOR SEQ ID NO:244:

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IPAVKESDA

1004053-10501

Case	Age	Sex	Duration of illness	Site of lesion	Pathological changes	Microscopic findings	Immunohistochemical findings	Immunofluorescent findings	Immunoelectron microscopic findings	Immunoblot findings	Immunocytochemical findings	Immunohistochemical findings	Immunofluorescent findings	Immunoelectron microscopic findings	Immunoblot findings	Immunocytochemical findings
1	45	M	10 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
2	55	F	15 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
3	65	M	20 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
4	75	F	25 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
5	85	M	30 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
6	95	F	35 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
7	105	M	40 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
8	115	F	45 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
9	125	M	50 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
10	135	F	55 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
11	145	M	60 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
12	155	F	65 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
13	165	M	70 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
14	175	F	75 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
15	185	M	80 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
16	195	F	85 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
17	205	M	90 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
18	215	F	95 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
19	225	M	100 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
20	235	F	105 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
21	245	M	110 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
22	255	F	115 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
23	265	M	120 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
24	275	F	125 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
25	285	M	130 years	Brain	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma	Granuloma
26	295	F	135 years	Brain	Granuloma											

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LSAELEIPA

INFORMATION FOR SEQ ID NO:262:

(b) SEQUENCE DESCRIPTION: SEQ ID NO:261:

TQ RSLSAEL

INFORMATION FOR SEQ ID NO:263:

(b) SEQUENCE DESCRIPTION: SEQ ID NO:263:

AQAAVGDLL

INFORMATION FOR SEQ ID NO:264:

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INFORMATION FOR SEQ ID NO:265:

(a) SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO:267:

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INFORMATION FOR SEQ ID NO:270:

(a) SEQUENCE CHARACTERISTICS:
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AQCSEAVPV

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DLLELHCEA

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LLYALFHKI

INFORMATION FOR SEQ ID NO:279:

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VALLLYALF

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SPPILYQFY

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ALRGSPPI

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INFORMATION FOR SEQ ID NO:283:

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INFORMATION FOR SEQ ID NO:288:

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62

1004036-10501
TQRLSAEL

INFORMATION FOR SEQ ID NO:289:

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INFORMATION FOR SEQ ID NO:290:

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RIPVSRPVL

INFORMATION FOR SEQ ID NO:291:

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INFORMATION FOR SEQ ID NO:292:

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INFORMATION FOR SEQ ID NO:293:

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INFORMATION FOR SEQ ID NO:294:

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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:308:

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TOGETHER WE CAN SAVE THE WORLD

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- (b) SEQUENCE DESCRIPTION: SEQ ID NO:309:

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Population (millions)	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8

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INFORMATION FOR SEQ ID NO:337:

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T.C.S.T. 280404

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INFORMATION FOR SEQ ID NO:354:

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INFORMATION FOR SEQ ID NO:373:

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Val	Leu	Leu	Glu	Thr	Gln	Pro	Ser	Gly	Gly	Gln	Ala	Val	Glu	Gly	Glu	
	290					295					300					
Met	Leu	Val	Leu	Val	Cys	Ser	Val	Ala	Glu	Gly	Thr	Gly	Asp	Thr	Thr	
305					310					315					320	
Phe	Ser	Trp	His	Arg	Glu	Asp	Met	Gln	Glu	Ser	Leu	Gly	Arg	Lys	Thr	
				325					330					335		
Gln	Arg	Ser	Leu	Arg	Ala	Glu	Leu	Glu	Leu	Pro	Ala	Ile	Arg	Gln	Ser	
			340					345						350		
His	Ala	Gly	Gly	Tyr	Tyr	Cys	Thr	Ala	Asp	Asn	Ser	Tyr	Gly	Pro	Val	
		355					360						365			
Gln	Ser	Met	Val	Leu	Asn	Val	Thr	Val	Arg	Glu	Thr	Pro	Gly	Asn	Arg	
		370				375						380				
Asp	Gly	Leu	Val	Ala	Ala	Gly	Ala	Thr	Gly	Gly	Leu	Leu	Ser	Ala	Leu	
385					390					395					400	
Leu	Leu	Ala	Val	Ala	Leu	Leu	Phe	His	Cys	Trp	Arg	Arg	Arg	Lys	Ser	
				405					410					415		
Gly	Val	Gly	Phe	Leu	Gly	Asp	Glu	Thr	Arg	Leu	Pro	Pro	Ala	Pro	Gly	
			420					425					430			
Pro	Gly	Glu	Ser	Ser	His	Ser	Ile	Cys	Pro	Ala	Gln	Val	Glu	Leu	Gln	
		435					440						445			
Ser	Leu	Tyr	Val	Asp	Val	His	Pro	Lys	Lys	Gly	Asp	Leu	Val	Tyr	Ser	
	450					455					460					
Glu	Ile	Gln	Thr	Thr	Gln	Leu	Gly	Glu	Glu	Glu	Glu	Ala	Asn	Thr	Ser	
465					470					475					480	
Arg	Thr	Leu	Leu	Glu	Asp	Lys	Asp	Val	Ser	Val	Val	Tyr	Ser	Glu	Val	
				485					490					495		
Lys	Thr	Gln	His	Pro	Asp	Asn	Ser	Ala	Gly	Lys	Ile	Ser	Ser	Lys	Asp	
			500					505						510		
Glu	Glu	Ser														
		515														

INFORMATION FOR SEQ ID NO:863:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:863:

165

Thr Leu His Cys Glu Thr Gln Glu Asp Ser Leu Arg Thr Leu Tyr Arg
305 310 315 320

Phe Tyr His Glu Gly Val Pro Leu Arg His Lys Ser Val Arg Cys Glu
325 330 335

Arg Gly Ala Ser Ile Ser Phe Ser Leu Thr Thr Glu Asn Ser Gly Asn
340 345 350

Tyr Tyr Cys Thr Ala Asp Asn Gly Leu Gly Ala Lys Pro Ser Lys Ala
355 360 365

Val Ser Leu Ser Val Thr Val Pro Val Ser His Pro Val Leu Asn Leu
370 375 380

Ser Ser Pro Glu Asp Leu Ile Phe Glu Gly Ala Lys Val Thr Leu His
385 390 395 400

Cys Glu Ala Gln Arg Gly Ser Leu Pro Ile Leu Tyr Gln Phe His His
405 410 415

Glu Asp Ala Ala Leu Glu Arg Arg Ser Ala Asn Ser Ala Gly Gly Val
420 425 430

Ala Ile Ser Phe Ser Leu Thr Ala Glu His Ser Gly Asn Tyr Tyr Cys
435 440 445

Thr Ala Asp Asn Gly Phe Gly Pro Gln Arg Ser Lys Ala Val Ser Leu
450 455 460

Ser Ile Thr Val Pro Val Ser His Pro Val Leu Thr Leu Ser Ser Ala
465 470 475 480

Glu Ala Leu Thr Phe Glu Gly Ala Thr Val Thr Leu His Cys Glu Val
485 490 495

Gln Arg Gly Ser Pro Gln Ile Leu Tyr Gln Phe Tyr His Glu Asp Met
500 505 510

Pro Leu Trp Ser Ser Ser Thr Pro Ser Val Gly Arg Val Ser Phe Ser
515 520 525

Phe Ser Leu Thr Glu Gly His Ser Gly Asn Tyr Tyr Cys Thr Ala Asp
530 535 540

Asn Gly Phe Gly Pro Gln Arg Ser Glu Val Val Ser Leu Phe Val Thr
545 550 555 560

Val Pro Val Ser Arg Pro Ile Leu Thr Leu Arg Val Pro Arg Ala Gln
565 570 575

Ala Val Val Gly Asp Leu Leu Glu Leu His Cys Glu Ala Pro Arg Gly
580 585 590

Ser Pro Pro Ile Leu Tyr Trp Phe Tyr His Glu Asp Val Thr Leu Gly
595 600 605

Ser Ser Ser Ala Pro Ser Gly Gly Glu Ala Ser Phe Asn Leu Ser Leu
610 615 620

Thr Ala Glu His Ser Gly Asn Tyr Ser Cys Glu Ala Asn Asn Gly Leu
625 630 635 640

Val Ala Gln His Ser Asp Thr Ile Ser Leu Ser Val Ile Val Pro Val
645 650 655

Ser Arg Pro Ile Leu Thr Phe Arg Ala Pro Arg Ala Gln Ala Val Val
660 665 670

Gly Asp Leu Leu Glu Leu His Cys Glu Ala Leu Arg Gly Ser Ser Pro
675 680 685

Ile Leu Tyr Trp Phe Tyr His Glu Asp Val Thr Leu Gly Lys Ile Ser
690 695 700

Ala Pro Ser Gly Gly Gly Ala Ser Phe Asn Leu Ser Leu Thr Thr Glu
705 710 715 720

His Ser Gly Ile Tyr Ser Cys Glu Ala Asp Asn Gly Leu Glu Ala Gln
725 730 735

Arg Ser Glu Met Val Thr Leu Lys Val Ala Gly Glu Trp Ala Leu Pro
740 745 750

Thr Ser Ser Thr Ser Glu Asn
755

INFORMATION FOR SEQ ID NO:864:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:864:

Met Leu Leu Trp Val Ile Leu Leu Val Leu Ala Pro Val Ser Gly Gln
5 10 15

Phe Ala Arg Thr Pro Arg Pro Ile Ile Phe Leu Gln Pro Pro Trp Thr
20 25 30

Thr Val Phe Gln Gly Glu Arg Val Thr Leu Thr Cys Lys Gly Phe Arg
35 40 45

Phe Tyr Ser Pro Gln Lys Thr Lys Trp Tyr His Arg Tyr Leu Gly Lys
50 55 60

Glu Ile Leu Arg Glu Thr Pro Asp Asn Ile Leu Glu Val Gln Glu Ser
65 70 75 80

Gly Glu Tyr Arg Cys Gln Ala Gln Gly Ser Pro Leu Ser Ser Pro Val
85 90 95

168

TOGOT 238400T

His	Leu	Asp	Phe	Ser	Ser	Ala	Ser	Leu	Ile	Leu	Gln	Ala	Pro	Leu	Ser	
			100					105					110			
Val	Phe	Glu	Gly	Asp	Ser	Val	Val	Leu	Arg	Cys	Arg	Ala	Lys	Ala	Glu	
		115					120					125				
Val	Thr	Leu	Asn	Asn	Thr	Ile	Tyr	Lys	Asn	Asp	Asn	Val	Leu	Ala	Phe	
	130					135					140					
Leu	Asn	Lys	Arg	Thr	Asp	Phe	His	Ile	Pro	His	Ala	Cys	Leu	Lys	Asp	
145					150					155					160	
Asn	Gly	Ala	Tyr	Arg	Cys	Thr	Gly	Tyr	Lys	Glu	Ser	Cys	Cys	Pro	Val	
				165					170					175		
Ser	Ser	Asn	Thr	Val	Lys	Ile	Gln	Val	Gln	Glu	Pro	Phe	Thr	Arg	Pro	
			180					185					190			
Val	Leu	Arg	Ala	Ser	Ser	Phe	Gln	Pro	Ile	Ser	Gly	Asn	Pro	Val	Thr	
		195					200					205				
Leu	Thr	Cys	Glu	Thr	Gln	Leu	Ser	Leu	Glu	Arg	Ser	Asp	Val	Pro	Leu	
	210					215					220					
Arg	Phe	Arg	Phe	Phe	Arg	Asp	Asp	Gln	Thr	Leu	Gly	Leu	Gly	Trp	Ser	
225					230					235					240	
Leu	Ser	Pro	Asn	Phe	Gln	Ile	Thr	Ala	Met	Trp	Ser	Lys	Asp	Ser	Gly	
				245					250					255		
Phe	Tyr	Trp	Cys	Lys	Ala	Ala	Thr	Met	Pro	His	Ser	Val	Ile	Ser	Asp	
			260					265					270			
Ser	Pro	Arg	Ser	Trp	Ile	Gln	Val	Gln	Ile	Pro	Ala	Ser	His	Pro	Val	
		275					280					285				
Leu	Thr	Leu	Ser	Pro	Glu	Lys	Ala	Leu	Asn	Phe	Glu	Gly	Thr	Lys	Val	
	290					295					300					
Thr	Leu	His	Cys	Glu	Thr	Gln	Glu	Asp	Ser	Leu	Arg	Thr	Leu	Tyr	Arg	
305					310					315					320	
Phe	Tyr	His	Glu	Gly	Val	Pro	Leu	Arg	His	Lys	Ser	Val	Arg	Cys	Glu	
				325					330					335		
Arg	Gly	Ala	Ser	Ile	Ser	Phe	Ser	Leu	Thr	Thr	Glu	Asn	Ser	Gly	Asn	
			340					345					350			
Tyr	Tyr	Cys	Thr	Ala	Asp	Asn	Gly	Leu	Gly	Ala	Lys	Pro	Ser	Lys	Ala	
		355					360					365				
Val	Ser	Leu	Ser	Val	Thr	Val	Pro	Val	Ser	His	Pro	Val	Leu	Asn	Leu	
						375					380					
Ser	Ser	Pro	Glu	Asp	Leu	Ile	Phe	Glu	Gly	Ala	Lys	Val	Thr	Leu	His	
385					390					395					400	

10040862 110501

Cys Glu Ala Gln Arg Gly Ser Leu Pro Ile Leu Tyr Gln Phe His His
405 410 415

Glu Asp Ala Ala Leu Glu Arg Arg Ser Ala Asn Ser Ala Gly Gly Val
420 425 430

Ala Ile Ser Phe Ser Leu Thr Ala Glu His Ser Gly Asn Tyr Tyr Cys
435 440 445

Thr Ala Asp Asn Gly Phe Gly Pro Gln Arg Ser Lys Ala Val Ser Leu
450 455 460

Ser Ile Thr Val Pro Val Ser His Pro Val Leu Thr Leu Ser Ser Ala
465 470 475 480

Glu Ala Leu Thr Phe Glu Gly Ala Thr Val Thr Leu His Cys Glu Val
485 490 495

Gln Arg Gly Ser Pro Gln Ile Leu Tyr Gln Phe Tyr His Glu Asp Met
500 505 510

Pro Leu Trp Ser Ser Ser Thr Pro Ser Val Gly Arg Val Ser Phe Ser
515 520 525

Phe Ser Leu Thr Glu Gly His Ser Gly Asn Tyr Tyr Cys Thr Ala Asp
530 535 540

Asn Gly Phe Gly Pro Gln Arg Ser Glu Val Val Ser Leu Phe Val Thr
545 550 555 560

Gly Lys Cys Trp Val Leu Ala Ser His Pro Pro Leu Ala Glu Phe Ser
565 570 575

Leu Thr His Ser Phe Lys Asn Leu Phe Ala Leu Ser Ser Phe Leu Pro
580 585 590

INFORMATION FOR SEQ ID NO:865:

- (a) SEQUENCE CHARACTERISTICS:
 - <212> PRT
 - <213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:865:

Met Leu Leu Trp Val Ile Leu Leu Val Leu Ala Pro Val Ser Gly Gln
5 10 15

Phe Ala Arg Thr Pro Arg Pro Ile Ile Phe Leu Gln Pro Pro Trp Thr
20 25 30

Thr Val Phe Gln Gly Glu Arg Val Thr Leu Thr Cys Lys Gly Phe Arg
35 40 45

Phe Tyr Ser Pro Gln Lys Thr Lys Trp Tyr His Arg Tyr Leu Gly Lys
50 55 60

Glu Ile Leu Arg Glu Thr Pro Asp Asn Ile Leu Glu Val Gln Glu Ser

10040362-110601

65		70		75		80									
Gly	Glu	Tyr	Arg	Cys	Gln	Ala	Gln	Gly	Ser	Pro	Leu	Ser	Ser	Pro	Val
				85					90					95	
His	Leu	Asp	Phe	Ser	Ser	Ala	Ser	Leu	Ile	Leu	Gln	Ala	Pro	Leu	Ser
			100					105					110		
Val	Phe	Glu	Gly	Asp	Ser	Val	Val	Leu	Arg	Cys	Arg	Ala	Lys	Ala	Glu
		115					120					125			
Val	Thr	Leu	Asn	Asn	Thr	Ile	Tyr	Lys	Asn	Asp	Asn	Val	Leu	Ala	Phe
		130				135					140				
Leu	Asn	Lys	Arg	Thr	Asp	Phe	His	Ile	Pro	His	Ala	Cys	Leu	Lys	Asp
145					150					155					160
Asn	Gly	Ala	Tyr	Arg	Cys	Thr	Gly	Tyr	Lys	Glu	Ser	Cys	Cys	Pro	Val
			165						170					175	
Ser	Ser	Asn	Thr	Val	Lys	Ile	Gln	Val	Gln	Glu	Pro	Phe	Thr	Arg	Pro
			180					185					190		
Val	Leu	Arg	Ala	Ser	Ser	Phe	Gln	Pro	Ile	Ser	Gly	Asn	Pro	Val	Thr
		195					200					205			
Leu	Thr	Cys	Glu	Thr	Gln	Leu	Ser	Leu	Glu	Arg	Ser	Asp	Val	Pro	Leu
	210					215					220				
Arg	Phe	Arg	Phe	Phe	Arg	Asp	Asp	Gln	Thr	Leu	Gly	Leu	Gly	Trp	Ser
225					230					235					240
Leu	Ser	Pro	Asn	Phe	Gln	Ile	Thr	Ala	Met	Trp	Ser	Lys	Asp	Ser	Gly
			245						250					255	
Phe	Tyr	Trp	Cys	Lys	Ala	Ala	Thr	Met	Pro	His	Ser	Val	Ile	Ser	Asp
			260					265					270		
Ser	Pro	Arg	Ser	Trp	Ile	Gln	Val	Gln	Ile	Pro	Ala	Ser	His	Pro	Val
		275				280						285			
Leu	Thr	Leu	Ser	Pro	Glu	Lys	Ala	Leu	Asn	Phe	Glu	Gly	Thr	Lys	Val
	290					295					300				
Thr	Leu	His	Cys	Glu	Thr	Gln	Glu	Asp	Ser	Leu	Arg	Thr	Leu	Tyr	Arg
305					310					315					320
Phe	Tyr	His	Glu	Gly	Val	Pro	Leu	Arg	His	Lys	Ser	Val	Arg	Cys	Glu
			325						330					335	
Arg	Gly	Ala	Ser	Ile	Ser	Phe	Ser	Leu	Thr	Thr	Glu	Asn	Ser	Gly	Asn
		340						345					350		
Tyr	Tyr	Cys	Thr	Ala	Asp	Asn	Gly	Leu	Gly	Ala	Lys	Pro	Ser	Lys	Ala
		355					360					365			
Val	Ser	Leu	Ser	Val	Thr	Val	Pro	Val	Ser	His	Pro	Val	Leu	Asn	Leu

10040366 10040366

370

375

380

Ser Ser Pro Glu Asp Leu Ile Phe Glu Gly Ala Lys Val Thr Leu His
385 390 395 400

Cys Glu Ala Gln Arg Gly Ser Leu Pro Ile Leu Tyr Gln Phe His His
405 410 415

Glu Asp Ala Ala Leu Glu Arg Arg Ser Ala Asn Ser Ala Gly Gly Val
420 425 430

Ala Ile Ser Phe Ser Leu Thr Ala Glu His Ser Gly Asn Tyr Tyr Cys
435 440 445

Thr Ala Asp Asn Gly Phe Gly Pro Gln Arg Ser Lys Ala Val Ser Leu
450 455 460

Ser Ile Thr Val Pro Val Ser His Pro Val Leu Thr Leu Ser Ser Ala
465 470 475 480

Glu Ala Leu Thr Phe Glu Gly Ala Thr Val Thr Leu His Cys Glu Val
485 490 495

Gln Arg Gly Ser Pro Gln Ile Leu Tyr Gln Phe Tyr His Glu Asp Met
500 505 510

Pro Leu Trp Ser Ser Ser Thr Pro Ser Val Gly Arg Val Ser Phe Ser
515 520 525

Phe Ser Leu Thr Glu Gly His Ser Gly Asn Tyr Tyr Cys Thr Ala Asp
530 535 540

Asn Gly Phe Gly Pro Gln Arg Ser Glu Val Val Ser Leu Phe Val Thr
545 550 555 560

Val Pro Val Ser Arg Pro Ile Leu Thr Leu Arg Val Pro Arg Ala Gln
565 570 575

Ala Val Val Gly Asp Leu Leu Glu Leu His Cys Glu Ala Pro Arg Gly
580 585 590

Ser Pro Pro Ile Leu Tyr Trp Phe Tyr His Glu Asp Val Thr Leu Gly
595 600 605

Ser Ser Ser Ala Pro Ser Gly Gly Glu Ala Ser Phe Asn Leu Ser Leu
610 615 620

Thr Ala Glu His Ser Gly Asn Tyr Ser Cys Glu Ala Asn Asn Gly Leu
625 630 635 640

Val Ala Gln His Ser Asp Thr Ile Ser Leu Ser Val Ile Val Pro Val
645 650 655

Ser Arg Pro Ile Leu Thr Phe Arg Ala Pro Arg Ala Gln Ala Val Val
660 665 670

Gly Asp Leu Leu Glu Leu His Cys Glu Ala Leu Arg Gly Ser Ser Pro

675					680					685					
Ile	Leu	Tyr	Trp	Phe	Tyr	His	Glu	Asp	Val	Thr	Leu	Gly	Lys	Ile	Ser
690					695							700			
Ala	Pro	Ser	Gly	Gly	Gly	Ala	Ser	Phe	Asn	Leu	Ser	Leu	Thr	Thr	Glu
705					710					715					720
His	Ser	Gly	Ile	Tyr	Ser	Cys	Glu	Ala	Asp	Asn	Gly	Leu	Glu	Ala	Gln
				725					730					735	
Arg	Ser	Glu	Met	Val	Thr	Leu	Lys	Val	Ala	Val	Pro	Val	Ser	Arg	Pro
			740					745					750		
Val	Leu	Thr	Leu	Arg	Ala	Pro	Gly	Thr	His	Ala	Ala	Val	Gly	Asp	Leu
			755				760					765			
Leu	Glu	Leu	His	Cys	Glu	Ala	Leu	Arg	Gly	Ser	Pro	Leu	Ile	Leu	Tyr
	770					775					780				
Arg	Phe	Phe	His	Glu	Asp	Val	Thr	Leu	Gly	Asn	Arg	Ser	Ser	Pro	Ser
785					790					795					800
Gly	Gly	Ala	Ser	Leu	Asn	Leu	Ser	Leu	Thr	Ala	Glu	His	Ser	Gly	Asn
				805					810					815	
Tyr	Ser	Cys	Glu	Ala	Asp	Asn	Gly	Leu	Gly	Ala	Gln	Arg	Ser	Glu	Thr
			820					825					830		
Val	Thr	Leu	Tyr	Ile	Thr	Gly	Leu	Thr	Ala	Asn	Arg	Ser	Gly	Pro	Phe
			835				840					845			
Ala	Thr	Gly	Val	Ala	Gly	Gly	Leu	Leu	Ser	Ile	Ala	Gly	Leu	Ala	Ala
	850					855					860				
Gly	Ala	Leu	Leu	Leu	Tyr	Cys	Trp	Leu	Ser	Arg	Lys	Ala	Gly	Arg	Lys
865					870					875				880	
Pro	Ala	Ser	Asp	Pro	Ala	Arg	Ser	Pro	Ser	Asp	Ser	Asp	Ser	Gln	Glu
				885				890						895	
Pro	Thr	Tyr	His	Asn	Val	Pro	Ala	Trp	Glu	Glu	Leu	Gln	Pro	Val	Tyr
			900					905					910		
Thr	Asn	Ala	Asn	Pro	Arg	Gly	Glu	Asn	Val	Val	Tyr	Ser	Glu	Val	Arg
		915					920					925			
Ile	Ile	Gln	Glu	Lys	Lys	Lys	His	Ala	Val	Ala	Ser	Asp	Pro	Arg	His
	930					935					940				
Leu	Arg	Asn	Lys	Gly	Ser	Pro	Ile	Ile	Tyr	Ser	Glu	Val	Lys	Val	Ala
945					950					955				960	
Ser	Thr	Pro	Val	Ser	Gly	Ser	Leu	Phe	Leu	Ala	Ser	Ser	Ala	Pro	His
				965					970					975	
Arg															

INFORMATION FOR SEQ ID NO:866:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:866:

Met Leu Leu Trp Leu Leu Leu Leu Ile Leu Thr Pro Gly Arg Glu Gln
5 10 15

Ser Gly Val Ala Pro Lys Ala Val Leu Leu Leu Asn Pro Pro Trp Ser
20 25 30

Thr Ala Phe Lys Gly Glu Lys Val Ala Leu Ile Cys Ser Ser Ile Ser
35 40 45

His Ser Leu Ala Gln Gly Asp Thr Tyr Trp Tyr His Asp Glu Lys Leu
50 55 60

Leu Lys Ile Lys His Asp Lys Ile Gln Ile Thr Glu Pro Gly Asn Tyr
65 70 75 80

Gln Cys Lys Thr Arg Gly Ser Ser Leu Ser Asp Ala Val His Val Glu
85 90 95

Phe Ser Pro Asp Trp Leu Ile Leu Gln Ala Leu His Pro Val Phe Glu
100 105 110

Gly Asp Asn Val Ile Leu Arg Cys Gln Gly Lys Asp Asn Lys Asn Thr
115 120 125

His Gln Lys Val Tyr Tyr Lys Asp Gly Lys Gln Leu Pro Asn Ser Tyr
130 135 140

Asn Leu Glu Lys Ile Thr Val Asn Ser Val Ser Arg Asp Asn Ser Lys
145 150 155 160

Tyr His Cys Thr Ala Tyr Arg Lys Phe Tyr Ile Leu Asp Ile Glu Val
165 170 175

Thr Ser Lys Pro Leu Asn Ile Gln Val Gln Glu Leu Phe Leu His Pro
180 185 190

Val Leu Arg Ala Ser Ser Ser Thr Pro Ile Glu Gly Ser Pro Met Thr
195 200 205

Leu Thr Cys Glu Thr Gln Leu Ser Pro Gln Arg Pro Asp Val Gln Leu
210 215 220

Gln Phe Ser Leu Phe Arg Asp Ser Gln Thr Leu Gly Leu Gly Trp Ser
225 230 235 240

Arg Ser Pro Arg Leu Gln Ile Pro Ala Met Trp Thr Glu Asp Ser Gly
245 250 255

144

Ser Tyr Trp Cys Glu Val Glu Thr Val Thr His Ser Ile Lys Lys Arg	260	265	270
Ser Leu Arg Ser Gln Ile Arg Val Gln Arg Val Pro Val Ser Asn Val	275	280	285
Asn Leu Glu Ile Arg Pro Thr Gly Gly Gln Leu Ile Glu Gly Glu Asn	290	295	300
Met Val Leu Ile Cys Ser Val Ala Gln Gly Ser Gly Thr Val Thr Phe	305	310	315
Ser Trp His Lys Glu Gly Arg Val Arg Ser Leu Gly Arg Lys Thr Gln	325	330	335
Arg Ser Leu Leu Ala Glu Leu His Val Leu Thr Val Lys Glu Ser Asp	340	345	350
Ala Gly Arg Tyr Tyr Cys Ala Ala Asp Asn Val His Ser Pro Ile Leu	355	360	365
Ser Thr Trp Ile Arg Val Thr Val Arg Ile Pro Val Ser His Pro Val	370	375	380
Leu Thr Phe Arg Ala Pro Arg Ala His Thr Val Val Gly Asp Leu Leu	385	390	395
Glu Leu His Cys Glu Ser Leu Arg Gly Ser Pro Pro Ile Leu Tyr Arg	405	410	415
Phe Tyr His Glu Asp Val Thr Leu Gly Asn Ser Ser Ala Pro Ser Gly	420	425	430
Gly Gly Ala Ser Phe Asn Leu Ser Leu Thr Ala Glu His Ser Gly Asn	435	440	445
Tyr Ser Cys Asp Ala Asp Asn Gly Leu Gly Ala Gln His Ser His Gly	450	455	460
Val Ser Leu Arg Val Thr Val Pro Val Ser Arg Pro Val Leu Thr Leu	465	470	475
Arg Ala Pro Gly Ala Gln Ala Val Val Gly Asp Leu Leu Glu Leu His	485	490	495
Cys Glu Ser Leu Arg Gly Ser Phe Pro Ile Leu Tyr Trp Phe Tyr His	500	505	510
Glu Asp Asp Thr Leu Gly Asn Ile Ser Ala His Ser Gly Gly Gly Ala	515	520	525
Ser Phe Asn Leu Ser Leu Thr Thr Glu His Ser Gly Asn Tyr Ser Cys	530	535	540
Glu Ala Asp Asn Gly Leu Gly Ala Gln His Ser Lys Val Val Thr Leu	545	550	555
			560

Asn Val Thr Gly Thr Ser Arg Asn Arg Thr Gly Leu Thr Ala Ala Gly
565 570 575

Ile Thr Gly Leu Val Leu Ser Ile Leu Val Leu Ala Ala Ala Ala Ala
580 585 590

Leu Leu His Tyr Ala Arg Ala Arg Arg Lys Pro Gly Gly Leu Ser Ala
595 600 605

Thr Gly Thr Ser Ser His Ser Pro Ser Glu Cys Gln Glu Pro Ser Ser
610 615 620

Ser Arg Pro Ser Arg Ile Asp Pro Gln Glu Pro Thr His Ser Lys Pro
625 630 635 640

Leu Ala Pro Met Glu Leu Glu Pro Met Tyr Ser Asn Val Asn Pro Gly
645 650 655

Asp Ser Asn Pro Ile Tyr Ser Gln Ile Trp Ser Ile Gln His Thr Lys
660 665 670

Glu Asn Ser Ala Asn Cys Pro Met Met His Gln Glu His Glu Glu Leu
675 680 685

Thr Val Leu Tyr Ser Glu Leu Lys Lys Thr His Pro Asp Asp Ser Ala
690 695 700

Gly Glu Ala Ser Ser Arg Gly Arg Ala His Glu Glu Asp Asp Glu Glu
705 710 715 720

Asn Tyr Glu Asn Val Pro Arg Val Leu Leu Ala Ser Asp His
725 730

INFORMATION FOR SEQ ID NO:867:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:867:

Met Leu Leu Trp Ser Leu Leu Val Ile Phe Asp Ala Val Thr Glu Gln
5 10 15

Ala Asp Ser Leu Thr Leu Val Ala Pro Ser Ser Val Phe Glu Gly Asp
20 25 30

Ser Ile Val Leu Lys Cys Gln Gly Glu Gln Asn Trp Lys Ile Gln Lys
35 40 45

Met Ala Tyr His Lys Asp Asn Lys Glu Leu Ser Val Phe Lys Lys Phe
50 55 60

Ser Asp Phe Leu Ile Gln Ser Ala Val Leu Ser Asp Ser Gly Asn Tyr
65 70 75 80

Phe Cys Ser Thr Lys Gly Gln Leu Phe Leu Trp Asp Lys Thr Ser Asn

100403652 110601

85										90										95									
Ile	Val	Lys	Ile	Lys	Val	Gln	Glu	Leu	Phe	Gln	Arg	Pro	Val	Leu	Thr														
			100					105						110															
Ala	Ser	Ser	Phe	Gln	Pro	Ile	Glu	Gly	Gly	Pro	Val	Ser	Leu	Lys	Cys														
			115				120						125																
Glu	Thr	Arg	Leu	Ser	Pro	Gln	Arg	Leu	Asp	Val	Gln	Leu	Gln	Phe	Cys														
			130				135					140																	
Phe	Phe	Arg	Glu	Asn	Gln	Val	Leu	Gly	Ser	Gly	Trp	Ser	Ser	Ser	Pro														
145					150					155					160														
Glu	Leu	Gln	Ile	Ser	Ala	Val	Trp	Ser	Glu	Asp	Thr	Gly	Ser	Tyr	Trp														
				165					170					175															
Cys	Lys	Ala	Glu	Thr	Val	Thr	His	Arg	Ile	Arg	Lys	Gln	Ser	Leu	Gln														
			180					185					190																
Ser	Gln	Ile	His	Val	Gln	Arg	Ile	Pro	Ile	Ser	Asn	Val	Ser	Leu	Glu														
			195				200					205																	
Ile	Arg	Ala	Pro	Gly	Gly	Gln	Val	Thr	Glu	Gly	Gln	Lys	Leu	Ile	Leu														
			210				215				220																		
Leu	Cys	Ser	Val	Ala	Gly	Gly	Thr	Gly	Asn	Val	Thr	Phe	Ser	Trp	Tyr														
225					230					235					240														
Arg	Glu	Ala	Thr	Gly	Thr	Ser	Met	Gly	Lys	Lys	Thr	Gln	Arg	Ser	Leu														
				245					250					255															
Ser	Ala	Glu	Leu	Glu	Ile	Pro	Ala	Val	Lys	Glu	Ser	Asp	Ala	Gly	Lys														
			260					265					270																
Tyr	Tyr	Cys	Arg	Ala	Asp	Asn	Gly	His	Val	Pro	Ile	Gln	Ser	Lys	Val														
		275					280					285																	
Val	Asn	Ile	Pro	Val	Arg	Ile	Pro	Val	Ser	Arg	Pro	Val	Leu	Thr	Leu														
		290					295				300																		
Arg	Ser	Pro	Gly	Ala	Gln	Ala	Ala	Val	Gly	Asp	Leu	Leu	Glu	Leu	His														
305					310					315					320														
Cys	Glu	Ala	Leu	Arg	Gly	Ser	Pro	Pro	Ile	Leu	Tyr	Gln	Phe	Tyr	His														
				325					330					335															
Glu	Asp	Val	Thr	Leu	Gly	Asn	Ser	Ser	Ala	Pro	Ser	Gly	Gly	Gly	Ala														
			340					345					350																
Ser	Phe	Asn	Leu	Ser	Leu	Thr	Ala	Glu	His	Ser	Gly	Asn	Tyr	Ser	Cys														
			355				360					365																	
Glu	Ala	Asn	Asn	Gly	Leu	Gly	Ala	Gln	Cys	Ser	Glu	Ala	Val	Pro	Val														
			370				375					380																	
Ser	Ile	Ser	Gly	Pro	Asp	Gly	Tyr	Arg	Arg	Asp	Leu	Met	Thr	Ala	Gly														

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385 390 395 400

Val Leu Trp Gly Leu Phe Gly Val Leu Gly Phe Thr Gly Val Ala Leu
 405 410 415

Leu Leu Tyr Ala Leu Phe His Lys Ile Ser Gly Glu Ser Ser Ala Thr
 420 425 430

Asn Glu Pro Arg Gly Ala Ser Arg Pro Asn Pro Gln Glu Phe Thr Tyr
 435 440 445

Ser Ser Pro Thr Pro Asp Met Glu Glu Leu Gln Pro Val Tyr Val Asn
 450 455 460

Val Gly Ser Val Asp Val Asp Val Val Tyr Ser Gln Val Trp Ser Met
 465 470 475 480

Gln Gln Pro Glu Ser Ser Ala Asn Ile Arg Thr Leu Leu Glu Asn Lys
 485 490 495

Asp Ser Gln Val Ile Tyr Ser Ser Val Lys Lys Ser
 500 505

INFORMATION FOR SEQ ID NO:868:

(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:868:

Met Leu Pro Arg Leu Leu Leu Leu Ile Cys Ala Pro Leu Cys Glu Pro
 5 10 15

Ala Glu Leu Phe Leu Ile Ala Ser Pro Ser His Pro Thr Glu Gly Ser
 20 25 30

Pro Val Thr Leu Thr Cys Lys Met Pro Phe Leu Gln Ser Ser Asp Ala
 35 40 45

Gln Phe Gln Phe Cys Phe Phe Arg Asp Thr Arg Ala Leu Gly Pro Gly
 50 55 60

Trp Ser Ser Ser Pro Lys Leu Gln Ile Ala Ala Met Trp Lys Glu Asp
 65 70 75 80

Thr Gly Ser Tyr Trp Cys Glu Ala Gln Thr Met Ala Ser Lys Val Leu
 85 90 95

Arg Ser Arg Arg Ser Gln Ile Asn Val His Arg Val Pro Val Ala Asp
 100 105 110

Val Ser Leu Glu Thr Gln Pro Pro Gly Gly Gln Val Met Glu Gly Asp
 115 120 125

Arg Leu Val Leu Ile Cys Ser Val Ala Met Gly Thr Gly Asp Ile Thr
 130 135 140

10010566 10301

Phe	Leu	Trp	Tyr	Lys	Gly	Ala	Val	Gly	Leu	Asn	Leu	Gln	Ser	Lys	Thr	145	150	155	160
Gln	Arg	Ser	Leu	Thr	Ala	Glu	Tyr	Glu	Ile	Pro	Ser	Val	Arg	Glu	Ser	165	170	175	
Asp	Ala	Glu	Gln	Tyr	Tyr	Cys	Val	Ala	Glu	Asn	Gly	Tyr	Gly	Pro	Ser	180	185	190	
Pro	Ser	Gly	Leu	Val	Ser	Ile	Thr	Val	Arg	Ile	Pro	Val	Ser	Arg	Pro	195	200	205	
Ile	Leu	Met	Leu	Arg	Ala	Pro	Arg	Ala	Gln	Ala	Ala	Val	Glu	Asp	Val	210	215	220	
Leu	Glu	Leu	His	Cys	Glu	Ala	Leu	Arg	Gly	Ser	Pro	Pro	Ile	Leu	Tyr	225	230	235	240
Trp	Phe	Tyr	His	Glu	Asp	Ile	Thr	Leu	Gly	Ser	Arg	Ser	Ala	Pro	Ser	245	250	255	
Gly	Gly	Gly	Ala	Ser	Phe	Asn	Leu	Ser	Leu	Thr	Glu	Glu	His	Ser	Gly	260	265	270	
Asn	Tyr	Ser	Cys	Glu	Ala	Asn	Asn	Gly	Leu	Gly	Ala	Gln	Arg	Ser	Glu	275	280	285	
Ala	Val	Thr	Leu	Asn	Phe	Thr	Val	Pro	Thr	Gly	Ala	Arg	Ser	Asn	His	290	295	300	
Leu	Thr	Ser	Gly	Val	Ile	Glu	Gly	Leu	Leu	Ser	Thr	Leu	Gly	Pro	Ala	305	310	315	320
Thr	Val	Ala	Leu	Leu	Phe	Cys	Tyr	Gly	Leu	Lys	Arg	Lys	Ile	Gly	Arg	325	330	335	
Arg	Ser	Ala	Arg	Asp	Pro	Leu	Arg	Ser	Leu	Pro	Ser	Pro	Leu	Pro	Gln	340	345	350	
Glu	Phe	Thr	Tyr	Leu	Asn	Ser	Pro	Thr	Pro	Gly	Gln	Leu	Gln	Pro	Ile	355	360	365	
Tyr	Glu	Asn	Val	Asn	Val	Val	Ser	Gly	Asp	Glu	Val	Tyr	Ser	Leu	Ala	370	375	380	
Tyr	Tyr	Asn	Gln	Pro	Glu	Gln	Glu	Ser	Val	Ala	Ala	Glu	Thr	Leu	Gly	385	390	395	400
Thr	His	Met	Glu	Asp	Lys	Val	Ser	Leu	Asp	Ile	Tyr	Ser	Arg	Leu	Arg	405	410	415	
Lys	Ala	Asn	Ile	Thr	Asp	Val	Asp	Tyr	Glu	Asp	Ala	Met				420	425		

INFORMATION FOR SEQ ID NO:869:

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(a) SEQUENCE CHARACTERISTICS:

<212> PRT

<213> Homo sapiens

(b) SEQUENCE DESCRIPTION: SEQ ID NO:869:

Asp Asn Val His Ser Pro Ile Leu Ser Thr Trp Ile Arg Val Thr Val
5 10 15
Arg Ile Pro Val Ser His Pro Val Leu Thr Phe Arg Ala Pro Arg Ala
20 25 30
His Thr Val Val Gly Asp Leu Leu Glu Leu His Cys Glu Ser Leu Arg
35 40 45
Gly Ser Pro Pro Ile Leu Tyr Arg Phe Tyr His Glu Asp Val Thr Leu
50 55 60
Gly Asn Ser Ser Ala Pro Ser Gly Gly Gly Ala Ser Phe Asn Leu Ser
65 70 75 80
Leu Thr Ala Glu His Ser Gly Asn Tyr Ser Cys Asp Ala Asp Asn Gly
85 90 95
Leu Gly Ala Gln His Ser His Gly Val Ser Leu Arg Val Thr Val Pro
100 105 110
Val Ser Arg Pro Val Leu Thr Leu Arg Ala Pro Gly Ala Gln Ala Val
115 120 125
Val Gly Asp Pro Leu Glu Leu His Cys Glu Ser Leu Arg Gly Ser Phe
130 135 140
Pro Ile Leu Tyr Trp Phe Tyr His Glu Asp Asp Thr Leu Gly Asn Ile
145 150 155 160
Ser Ala His Ser Gly Gly Gly Ala Ser Phe Asn Leu Ser Leu Thr Thr
165 170 175
Glu His Ser Gly Asn Tyr Ser Cys Glu Ala Asp Asn Gly Leu Gly Ala
180 185 190
Gln His Ser Lys Val Val Thr Leu Asn Val Thr Gly Thr Ser Arg Asn
195 200 205
Arg Thr Gly Leu Thr Xaa Ala Gly Ile Thr Gly Leu Val Xaa Xaa Ile
210 215 220
Xaa Val Leu Xaa Ala Ala Ala Ala Leu Leu His Tyr Ala Arg Ala Arg
225 230 235 240
Arg Lys Pro Gly Gly Leu Ser Ala Thr Gly Thr Ser Ser His Ser Pro
245 250 255
Ser Glu Cys Gln Glu Pro Ser Ser Ser Arg
260 265
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